



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
14D 005983051

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): SMITH CARTAGE		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 7013 SANDS RD.			
03 CITY: CRYSTAL LAKE	04 STATE: IL	05 ZIP CODE: 60014	06 COUNTY: McHENRY	07 COUNTY CODE: 111	08 CONG DIST: 12
09 COORDINATES: LATITUDE 42°13'39.0"		LONGITUDE 088°16'58.0"			
10 DIRECTIONS TO SITE (Starting from nearest public road): FROM THE INTERSECTION OF HWY. 31 & HWY. 14, FOLLOW HWY. 14 EAST APPROXIMATELY 1200 FT. TO SANDS RD. AND TURN NORTH (LEFT). THE SITE IS ON THE WEST SIDE JUST OVER THE CNW RR TRACK					

III. RESPONSIBLE PARTIES

01 OWNER (If known): ALGONQUIN STATE BANK		02 STREET (Business, making residential): 221 S. MAIN			
03 CITY: ALGONQUIN	04 STATE: IL	05 ZIP CODE: 60102	06 TELEPHONE NUMBER: 1312658-4535		
07 OPERATOR (If known and different from owner): W. SMITH CARTAGE CO.		08 STREET (Business, making residential): 7013 SANDS RD.			
09 CITY: CRYSTAL LAKE	10 STATE: IL	11 ZIP CODE: 60014	12 TELEPHONE NUMBER: 18154556161		
13 TYPE OF OWNERSHIP (Check one): <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED 1/1 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103(c)) DATE RECEIVED 1/1 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION: <input type="checkbox"/> YES DATE <u>1/1</u> MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply): <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER CONTRACTOR NAME(S):			
02 SITE STATUS (Check one): <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION: BEGINNING YEAR <u>1985</u> ENDING YEAR <u>1985</u> <input checked="" type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED: POSSIBLE UNDERGROUND FUEL TANKS AND TRUCK WASH HOLDING TANKS OF DETERGENT OR SOLVENT RINSE.					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION: POSSIBLE GROUNDWATER HAZARD ALTHOUGH SITE IS COVERED WITH PAVEMENT.					

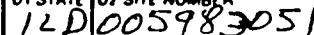
V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents):
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed; complete current (disposal) form.)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: William Messenger		02 OF (Agency Organization): USEPA		03 TELEPHONE NUMBER: 1312353-1057	
04 PERSON RESPONSIBLE FOR ASSESSMENT: KURT SIMS		05 AGENCY: USEPA EIT		06 ORGANIZATION: ECOTOLOGY & ENVIRONMENT	
		07 TELEPHONE NUMBER: 1312663-9415		08 DATE: 8/26/88 MONTH DAY YEAR	





A TOXIC	E SOLUBLE	I HIGHLY VOLATILE
B CORROSIVE	F INFECTIOUS	J EXPLOSIVE
C RADIOACTIVE	<input checked="" type="checkbox"/> G FLAMMABLE	K REACTIVE
D PERSISTENT	M IGNITABLE	L INCOMPATIBLE
		M NOT APPLICABLE

EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

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1LD 005983051

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A GROUNDWATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 29,000 04 NARRATIVE DESCRIPTION

IF A WASTE IS PRESENT AT THE SITE, BECAUSE OF POSSIBLE UNSTABLE UNDERGROUND CONTAINMENT, WASTES MAY PRECIPITATE INTO THE GROUNDWATER.

01 ☐ B SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

NO SURFACE WATER ROUTE DISTINGUISHABLE TO A RIVER OR LAKE.

01 ☐ C CONTAMINATION OF AIR 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 0 04 NARRATIVE DESCRIPTION

NO AIR RELEASE SOURCES DOCUMENTED.

01 ☐ D FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

NO FIRE/EXPLOSIVE CONDITIONS DOCUMENTED

01 ☐ E DIRECT CONTACT 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

SITE IS COMPLETELY FENCED AND COVERED BY PAVEMENT & BUILDINGS.

01 ☒ F CONTAMINATION OF SOIL 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED 5 (Acres) 04 NARRATIVE DESCRIPTION

POTENTIAL FOR WASTES TO CONTAMINATE SOILS IS LOW BUT POSSIBLE, IF UNDERGROUND CONTAINMENT EXISTS AND IS UNSTABLE, SOIL CONTAMINATION COULD OCCUR.

01 ☒ G DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 29,000 04 NARRATIVE DESCRIPTION

WASTES MAY REACH GROUNDWATER WHICH SERVES ALL THE POPULATION WITHIN 3 MILES OF THE SITE.

01 ☒ H WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED UNK 04 NARRATIVE DESCRIPTION

IF WASTES ARE GENERATED EMPLOYEES MAY BE EXPOSED. NO INCIDENTS DOCUMENTED.

01 ☐ I POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED 0 04 NARRATIVE DESCRIPTION

ACCESS TO SITE IS RESTRICTED BY FENCES AND GATES. PROBABILITY OF GUARDS IS HIGH.



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II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ L DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ F DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☐ L CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

NA

01 ☒ M UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED _____

04 NARRATIVE DESCRIPTION

CONDITION OF POSSIBLE WASTE CONTAINMENT IS UNKNOWN.

01 ☒ N DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

RUNOFF MAY FLOW TO DEPRESSION IN AGRICULTURAL
FIELD EAST OF SITE.

01 ☒ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☒ POTENTIAL

☐ ALLEGED

IT IS UNKNOWN WHETHER ANY DRAINAGE SEWERS ARE
ON-SITE.

01 ☐ P ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

NA

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: 30,550

IV. COMMENTS

INFORMATION REGARDING THE SITE IS UNAVAILABLE,
NO STATE EPA OR USEPA FILE INFORMATION IS
AVAILABLE.

V. SOURCES OF INFORMATION (See specific references e.g., state lab sample analysis reports)

- ECOLOGY & ENVIRONMENT/FIT FILE, Reg. V.



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

M E M O R A N D U M

DATE: August 26, 1988
TO: File: W. Smith Cartage Co., Inc.
FROM: Kurt Sims *KJS*
SUBJECT: Preliminary Assessment
U.S. EPA ID: ILD005983051
TDD: F05-8807-007
PAN: FILO652PA

The W. Smith Cartage Co., Inc., site occupies approximately 5 acres at 7013 Sands Road in Crystal Lake, Illinois. The site is fenced and the entire site area is paved. A building complex consisting of loading docks, office space, and a truck-washing enclosure is located on-site.

It is assumed that underground fuel tanks possibly exist on-site. It is also assumed that detergents and solvents may be used in an on-site truck washing facility and waste may be produced from the truck washing operation. No file information regarding the site was found at the Illinois Environmental Protection Agency (IEPA) or the U.S. EPA.

Information from municipal well records indicates that the W. Smith Cartage site is located on the West Chicago moraine, which consists of approximately 271 feet of unconsolidated gravel, sands, and clay tills. These glacially-derived tills overlie Silurian dolomite and Ordovician shale. The Silurian and Ordovician formations are hydraulically connected to the sand and gravel aquifers overlying them. Water is generally drawn from near the bedrock surface, although the city of

Crystal Lake maintains an emergency well that is only 48 feet deep. The depth to water in the area of the site is approximately 45 feet and corresponds to the topography of the site area. The depth to groundwater is between 25 feet and 50 feet according to well records of wells in the vicinity of the site. Groundwater flow direction in the area of the site is generally to the east. The population served by groundwater within a 3-mile radius of the site is approximately 29,000 persons.

Surface drainage from the W. Smith Cartage site flows to drainage ditches located along railroad tracks south of the site and along Sands Road east of the site. These drainages flow southeast along the railroad tracks and into a depression located just east of Sands Road.

A McHenry County park is located 1/2 mile east of Sand Road. In the park is a small lake that was formed as the result of an abandoned gravel pit. This lake is possibly used for fishing. It is uncertain whether the drainage pattern from the site extends to the park lake. There is no direct surface drainage route from the site to any lake or river in the vicinity of the site. A surface water route that may have existed in the past has been disrupted; the landscape has been altered by a surface mining operation and residential developments east and northeast of the site.

Because containment practices for the truck washing operation waste water is unknown, the potential for a release of contaminants from the site to the air is unknown. In addition, because the site is paved, the potential for windblown particulates to migrate from the site via potentially contaminated soils is unlikely. In general, the potential for a release of contaminants from the site to the air is low and perhaps does not exist at all.

The Smith Cartage site is completely fenced and has a gate at its only entrance. The paved surface and building structure cover the area therefore making the potential of direct contact low.

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